MAT-8201US

Application No.: Amendment Dated:

09/989,561 August 3, 2005

Reply to Final Office Action: May 3, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- (Currently Amended) A method for inputting a converting inputted speech to 1. text, comprising:
- (a) a step of inputting a sentence an by utterance, said utterance comprised of a plurality of word-strings which each include one or more words;
- (b) a step of determining candidates of word-strings which consist of one or more words of the inputted utterance by <u>performing</u> speech recognition processing on one of the plurality of word strings of the utterance;
 - (c) a step of displaying the candidates; and
 - (d) a step of selecting one of the displayed candidates by a user;

whereby, the inputted utterance is recognized by which said candidate determining step (b), said displaying step (c) and said selecting step (d) are repeated in order on a unit of the for each successive word-string in said from a beginning of the inputted utterance until an end of the utterance is reached.

- 2. (Cancelled).
- (Currently Amended) A method for inputting a converting inputted speech to 3. text according to claim 22, wherein said candidate determining step (b) further having a process to update the candidates due to an acoustic score.
- 4. (Currently Amended) A method for inputting a converting inputted speech to text according to claim 3, wherein said extension process is ended by reaching of the a number of phrase candidates subjected to said extension process by a predetermined number as counted from a top rank in a language score.

Application No.:

09/989,561 August 3, 2005

Amendment Dated: Reply to Final Office Action: May 3, 2005

5. (Currently Amended) An apparatus for inputting a converting inputted speech to text, comprising:

an input section for inputting an utterance, said utterance comprised of a plurality of word-strings which each include one or more words;

an utterance pre-processing section for extracting a feature amount of anthe utterance of from said input section;

a word candidate preparing section for preparing a following word candidate from a fixed word_string by using a language model;

a word-string preparing section for preparing a-word-string candidates based on one to several words from the extracted feature amount theof one of the plurality of word-strings of the utterance and from the word candidate by using at least any one of a language model and an acoustic model;

a display section for displaying the word-string candidates;

an operating section for a user to select one of the word-string candidates being displayed, the selected word-string candidate forming the fixed word-string; and

a candidate-preparation instructing section for instructing said word candidate preparing section to prepare athe following word candidate from athe fixed word-string selected by said operating section,

wherein said word-string preparing section repeats preparation of said wordstring candidates for each successive word-string in said utterance using said following word candidate until the end of the utterance is reached.

(Currently Amended) An apparatus for inputting a converting inputted speech 6. to text according to claim 5, wherein said word-string preparing section prepares a phrase-based candidate by an extension process to repeat word linking according to word-based linkage probability.

MAT-8201US

Application No.: Amendment Dated:

09/989,561 August 3, 2005

Reply to Final Office Action: May 3, 2005

(Currently Amended) An apparatus for inputting a converting inputted speech 7. to text according to claim 6, wherein said word-string preparing section further having an updating process due according to an acoustic score.

- (Currently Amended) An apparatus for inputting a converting inputted speech 8. to text according to claim 7, wherein said word-string preparing section ends the extension process by reaching of the-a number of phrase candidates subjected to the extension process by a predetermined number as counted from a top rank in a language score.
- 9. (Currently Amended) An apparatus for inputting aconverting inputted speech to text according to claim 5, wherein said apparatus is included in a cellular telephone.
- 10. (Currently Amended) An apparatus for inputting aconverting inputted speech to text according to claim 6, wherein said apparatus is included in a cellular telephone.
- (Currently Amended) An apparatus for inputting aconverting inputted speech 11. to text according to claim 7, wherein said apparatus is included in a cellular telephone.
- 12. (Currently Amended) An apparatus for inputting aconverting inputted speech to text according to claim 8, wherein said apparatus is included in a cellular telephone.
- 13. (Currently Amended) A storage medium tangibly embodying a program of instructions executable by machine to perform method steps for converting inputted speech to text, said method for providing a program to repeating in order:
- (a) a step of inputting a sentence by an utterance, said utterance comprised of a plurality of word-strings which each include one or more words;
- (b) a-step of determining candidates of word-strings which consist of one or more words of the inputted utterance by performing speech recognition processing on one of the plurality of word strings of the inputted utterance;
 - (c) a step of displaying the candidates; and
 - (d) a step of selecting one of the displayed candidates by a user;

Application No.: Amendment Dated: 09/989,561 August 3, 2005

Reply to Final Office Action: May 3, 2005

whereby the inputted utterance is recognized by which said candidate determining step (b), said displaying step (c) and said selecting step (d) are repeated in order on a unit of the for each successive word-string in said from a beginning of the inputted-utterance until an end of the utterance is reached.

- 14. (Cancelled).
- 15. (Currently Amended) A storage medium for providing a program according to claim 13, wherein said candidate determining step (b) further having a process to update the candidate due according to an acoustic score.
- 16. (Cancelled).
- (Currently Amended) A computer program product to-tangibly embodying a 17. program of instructions executable by machine to perform method steps for converting inputted speech to text, said method repeating in order:
- (a) a step of inputting a sentence by an utterance, said utterance comprised of a plurality of word-strings which each include one or more words;
- (b) a step of determining candidates of word-strings which consist of one or more words of the inputted utterance by performing speech recognition processing on one of the plurality of word strings of the inputted utterance;
 - (c) a step of displaying the candidates; and
 - (d) a step of selecting one of the displayed candidates by a user;

whereby the inputted utterance is recognized by which said candidate determining step (b), said displaying step (c) and said selecting step (d) are repeated in order on a unit of the for each successive word-string in said from a beginning of the inputted utterance until an end of the utterance is reached.

18. (Cancelled).

MAT-8201US

Application No.:

09/989,561 August 3, 2005

Amendment Dated: Reply to Final Office Action: May 3, 2005

- (Currently Amended) A computer program product according to claim 17, 19. wherein said candidate determining step (b) further having a process to update the candidates due to an acoustic score.
- 20. (Cancelled).
- (Currently Amended) A method for inputting a converting inputted speech to 21. text according to claim 1, wherein said candidate determining step (b) determines said candidates of a word-strings on the basis of a language information and an acoustic information of the selected word-strings when there are preselected word strings.
- (Currently Amended) A method for inputting aconverting inputted speech to 22. text according to claims 1 or 21, wherein at least one of said candidates of wordstrings is a phrase built by an extension process to repeat word linking according to a word-based linkage probability on said candidate determining step (b).